Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Monday 19 Dec 2022 until 23:59 on Tuesday 20 Dec 2022

Forecast Issued on Monday 19 Dec 2022 at 03:16

Confidence: High becoming Medium in details from Thursday.

Headline for Monday 19 Dec 2022: Gales, rain and low cloud. Much milder.

Mountain weather hazards on Monday 19 Dec 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** Low Likelihood
Gales High Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Cloudy	Heavy Rain	Heavy Rain	Cloudy	Cloudy
Precipitation probability					
50%	30%	50%	60%	50%	30%

Forecast for Monday 19 Dec 2022

Weather: Mostly cloudy and overcast with outbreaks of rain, occasionally heavy. Very windy with gales over the tops leading to significant buffeting. The cloud lifting and breaking in the evening.

Chance of cloud-free hill tops above 600m: 30% early morning becoming 60% around midday, then 80% later in the evening.

Low cloud and visibility: Extensive cloud, base 450m, occasional broken bases 300m, lifting and breaking above the tops in the evening. Visibility moderate or poor, occasionally very poor at height, becoming good in the evening.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Monday 19 Dec 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	31/38 S	32/41 S	35/46 S	36/48 SW	30/41 SW	24/33 SW	20/28 SW
300	23/32 S	24/34 S	25/36 S	27/38 SW	21/32 SW	17/27 SW	14/22 SW
Valley	13/30 S	12/32 S	16/36 S	17/37 SW	12/30 SW	10/25 SW	8/21 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/6	10/5	10/5	9/4	7/2	6/1	6/1
300	12/8	12/8	12/8	12/8	10/6	9/5	8/5
Valley	12/9	12/10	12/9	12/9	10/7	9/6	8/6
Freezing Level*	2300m	2200m	2300m	2100m	1900m	2000m	1800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Navigational difficulties possible at height due to the extensive low cloud.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Mon 19 Dec 2022	2.2mm	2.2mm	2.2mm

Forecast for Tuesday 20 Dec 2022

Weather: Further rain likely overnight, but mostly light. Turning dry with clear spells towards dawn period. Tuesday bright with sunny spells and occasional showers.

Maximum wind: Southwest 25 to 30mph gusting 40mph with a significant wind chill.

Chance of cloud-free hill tops above 600m: 90%, but 50% overnight

Low cloud and visibility: Occasional or patchy cloud above the tops, but lowering in and around any showers. Visibility very good falling moderate or poor in any showers.

Temperature: **Valleys:** Plus 4 to 9 Celsius
At 600m: Plus 2 to 4 Celsius
Freezing level: Above the summits

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